

Appln. No.: 10/530,899

Response to Office Action mailed August 22, 2007

This listing of claims will replace all prior versions and listings of claims in the application:

Listing of Claims:

1. (Currently amended) ~~Device~~ A device for memorizing a list of items, said device being adapted ~~intended~~ to memorize an ~~any~~ item last presented to it thereto, and said device being capable of memorizing N items, N being a natural integer, ~~wherein said device comprises~~ comprising:

a first memory ~~designed~~ adapted to continually memorize ~~the~~ a maximum of M items that were last presented to said device, M being a natural integer ~~below~~ less than N; and

a second memory ~~(3)~~, ~~intended~~ adapted to memorize ~~the~~ N-M ~~other~~ second items, each of said N-M items being different from each of said M items, an oldest of said M items in said first memory being moved to said second memory if said first memory already contains M items when a first item is presented for memorization in said device;

~~said device additionally comprising means responsible, when the second memory is full and when a new item has to be memorized in said device, for randomly selecting an item one of said second items memorized in the second memory and for removing to remove this the selected item if said second memory already contains N-M items when said first item is presented for memorization in said device; and~~

means and to memorize the new said first item presented in said device, wherein said first item becomes a newest of said M items in said first memory.

2. (Currently amended) ~~Device~~ The device according to claim 1, said device being also adapted to supply information indicating whether ~~the~~ said first item that ~~was last presented to it~~ is already present in said device.

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3. (Currently amended) ~~Device~~ The device according to claim 1, said device being adapted to contain only one copy of each item memorized.

4. (Currently amended) ~~Device~~ The device according to claim 1, said device being adapted to memorize ~~wherein it also memorizes, with each item,~~ the number of times that ~~this said first~~ item has been presented to ~~it~~ said device.

5. (Currently amended) ~~Device~~ The device according to claim 4, said device being further adapted to supply information indicating whether said first ~~the item that was last presented to it~~ has already been presented to said device ~~it~~ for a number of times that exceeds a predetermined number.

6. (Currently amended) ~~Method~~ A method of memorizing an item in a device adapted to memorize an item presented thereto, said device being capable of memorizing N items, N being a natural integer, said device comprising a first memory adapted to memorize a maximum of M items that were last presented to said device, M being a natural integer less than N, a second memory adapted to memorize N-M second items, each of said N-M items being different from each of said M items, an oldest of said M items in said first memory being moved to said second memory if said first memory already contains M items when a first item is presented for memorization in said device, means for randomly selecting one of said second items memorized in the second memory and for removing the selected item if said second memory already contains N-M items when said first item is presented for memorization in said device, and means to memorize said first item in said device, wherein said first item becomes a newest of said M items in said first memory ~~according to claim 1,~~ said method comprising:

- ~~the steps consisting in~~ (a) receiving an item that is presented to the device; and
(b) verifying whether said received item is already present in said device;

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~~wherein if and should~~ said verification ~~be is~~ positive, designating said received item as an item last memorized in said device, and ~~should if~~ said verification ~~is be~~ negative, memorizing said received item in the device.

7. (Currently amended) ~~Method~~ The method according to claim 6, further comprising if said verification in step (b) is negative:

if said first memory does not already contain M items, memorizing said received item in said first memory;

if said first memory already contains M items, transferring said oldest of said M items to said second memory; and

if said second memory already contains N-M items, randomly selecting one of said second items in said second memory for removal from said second memory, removing said randomly selected item, and memorizing said oldest of said M items in said second memory.
~~wherein in the event of negative verification in step (b): if the first memory is not full, the item received is memorized in the first memory; and if the first memory is full: i) the oldest item memorized in said first memory is transferred to the second memory; and ii) the item received is memorized in the first memory; and iii) if the second memory is full, then an item memorized in said second memory is selected at random to be removed so that the oldest item memorized in said first memory can be transferred to said second memory.~~

8. (New) The device according to claim 2, wherein if said first item is already present in said device, said oldest item in said first memory is moved to said second memory and said first item is moved from said second memory to said first memory as said newest of said M items in said first memory.